## Listing of the Claims:

The following is a complete listing of all the claims in the application, with an indication of the status of each:

1 1 (Currently Amended). An image comparison system comprising: 2 means for inputting three-dimensional data of an object; 3 reference image storing means for storing a reference image of at least 4 one reference object; 5 pose candidate deciding means for generating a plurality of pose 6 candidates; 7 comparison image generating means for generating, for the reference 8 image for the at least one object, a comparison image close to the reference 9 image, said generating including projecting the three-dimensional data onto a 10 two-dimensional image in accordance with each of the plurality of pose 11 candidates to generate a plurality of comparison images and calculating, for 12 each of the plurality of comparison images, the minimum distance between the 13 comparison image and the reference image and selecting, as the comparison 14 image close to the reference image, the comparison image having the smallest 15 minimum distance; 16 reference correction coefficient storing means for storing a correction 17 coefficient corresponding to the reference image; and 18 image comparing means for performing comparison on the basis of 19 determining one of a minimum distance value and a maximum similarity 20 degree between the reference image and the generated comparison images; 21 and image and, based on the comparison, identifying whether a match exists 22 between the generated comparison image and the reference image 23 correcting means for correcting, based on the correction coefficient, 24 one of the minimum distance value and the maximum similarity degree 25 determined by the image comparing means,

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wherein the image comparing means performs a comparison between the reference image and each of the generated comparison images on the basis of one of the minimum distance value and the maximum similarity degree corrected by the correcting means and, based on a result of the comparison, identifies whether a match exists between any of the generated comparison images and of the reference image. 2. (Previously presented) The image comparison system of claim 1, wherein said image comparing means identifies whether a match exists based on a comparison between the minimum distance value between the reference image and the generated comparison image and a threshold value and a result of comparison between the maximum similarity degree between the reference image and the generated comparison image and a threshold value. 3. (Previously presented) The image comparison system of claim 1, wherein said reference image storing means stores a reference image for each of a plurality of objects, wherein said comparison image generating means generates, for each of the reference images, a comparison image close to the reference image, and said image comparing means comprises: calculating means for calculating, for each of the reference images, one of a distance value and a similarity degree between the reference image and the generated comparison image close to the reference image; selecting means for selecting, for each of the reference images, one of a minimum distance value which is a smallest distance value and a maximum similarity degree which is a largest similarity degree for each reference image; and comparing means for outputting, as a comparison result, one of a reference image including a smallest minimum distance value which is a

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16 smallest one of minimum distance values and a reference image including a 17 largest maximum similarity degree which is a largest one of maximum 18 similarity degrees. 4. (Cancelled) 1 5. (Previously presented) The image comparison system of claim 1, further 2 comprising reference weighting coefficient storing means for storing a 3 weighting coefficient corresponding to the reference image, 4 said image comparing means comprising calculating means for 5 calculating one of the distance value and the similarity degree between the 6 reference image and the comparison image based on the weighting coefficient 7 corresponding to the reference image. 1 6. (Previously presented) The image comparison system of claim 1 further 2 comprising: 3 standard three-dimensional reference point storing means for storing a 4 standard three-dimensional reference point corresponding to a standard 5 three-dimensional object model: standard three-dimensional weighting coefficient storing means for 6 7 storing a standard three-dimensional weighting coefficient; 8 three-dimensional reference point extracting means for extracting a 9 three-dimensional reference point from the input three-dimensional data; and 10 input weighting coefficient converting means for obtaining a coordinate correspondence of the standard three-dimensional weighting 12 coefficient to the three-dimensional data based on the standard 13 three-dimensional reference point and the three-dimensional reference point of 14 the three-dimensional data, and converting the standard three-dimensional 15 weighting coefficient into a two-dimensional weighting coefficient in

16	accordance with the pose candidate,
17	said image comparing means comprising calculating means for
18	calculating one of the distance value and the similarity degree between the
19	reference image and the comparison image based on the converted
20	two-dimensional weighting coefficient.
1	7. (Previously presented) The image comparison system of claim 1, further
2	comprising:
3	representative three-dimensional object model storing means for
4	storing representative ones of three-dimensional object models as
5	representative three-dimensional object models;
6	group storing means for storing related information of the
7	representative three-dimensional object models and reference images;
8	three-dimensional comparing means for comparing the input
9	three-dimensional data with the representative three-dimensional object
10	models, and selecting a representative three-dimensional object model similar
11	to the three-dimensional data; and
12	reference image selecting means for selecting a reference image
13	corresponding to the selected representative three-dimensional object model
14	by referring to the related information,
15	wherein said image comparing means compares the selected reference
16	image with the input three-dimensional data.
1	8. (Previously presented) The image comparison system of claim 1, further
2	comprising:
3	representative image storing means for storing representative ones of
4	images as representative images;
5	group storing means for storing related information of the
6	representative images and reference images;

7	representative image selecting means for comparing the input
8	three-dimensional data with the representative images, and selecting a
9	representative image similar to the three-dimensional data; and
10	reference image selecting means for selecting a reference image
11	corresponding to the selected representative image by referring to the related
12	information,
13	wherein said image comparing means compares the selected reference
14	image with the input three-dimensional data.
1	9. (Previously presented) The image comparison system of claim 4, wherein
2	the correction coefficient is determined on the basis of at least one of a
3	distance value and a similarity degree between a representative
4	three-dimensional object model and the reference image.
1	10. (Currently Amended) An image comparison method for identifying a
2	match of an object to a stored reference image of at least one object,
3	comprising steps of:
4	inputting three-dimensional data of an object;
5	generating at least one pose candidate as a candidate for pose of the
6	object;
7	generating, for the reference image of the at least one object, a
8	comparison image close to the reference image, said generating including
9	projecting the three-dimensional data onto a two-dimensional image in
10	accordance with each of the plurality of pose candidates to generate a plurality
11	of comparison images and calculating, for each of the plurality of comparison
12	images, the minimum distance between the comparison image and the
13	reference image and selecting, as the comparison image close to the reference
14	image, the comparison image having the smallest minimum distance; and
15	storing a correction coefficient corresponding to the reference image;

16 identifying whether a match exists between the generated comparison 17 image and the reference image, said identifying including performing 18 comparison on the basis of determining one of a minimum distance value and 19 a maximum similarity degree between the reference image and the generated 20 comparison image images; and 21 correcting, based on the correction coefficient, one of the minimum 22 distance value and the maximum similarity degree determined by the 23 identifying step, 24 wherein the step of identifying whether a match exists includes 25 performing a comparison between the reference image and each of the 26 generated comparison images on the basis of one of the minimum distance 27 value and the maximum similarity degree corrected by the correcting step and, 28 based on a result of the comparison, identifying whether a match exists 29 between any of the generated comparison images and of the reference image. 1 11. (Previously presented) The image comparison method of claim 10, 2 wherein the step of identifying whether a match exists includes performing 3 one of a comparison between the minimum distance value between the 4 reference image and the generated comparison image and a threshold value 5 and a comparison between the maximum similarity degree between the 6 reference image and the generated comparison image and a threshold value. 1 12. (Previously presented) The image comparison method of claim 10, 2 wherein the step of generating a comparison image comprises the step of generating a comparison image close to each reference image for each of a 3 plurality of objects; and 4 5 wherein the step of identifying whether a match exists comprises the 6 steps of: 7 calculating, for each of the reference images, one of a distance value

8 and a similarity degree between the reference image and the generated 9 comparison image close to the reference image; 10 selecting, for each of the reference images, one of a minimum distance 11 value which is a smallest distance value and a maximum similarity degree 12 which is a largest similarity degree for each reference image; and 13 outputting, as a comparison result, one of a reference image including 14 a smallest minimum distance value which is a smallest one of minimum 15 distance values and a reference image including a largest maximum similarity 16 degree which is a largest one of maximum similarity degrees. 1 13. (Previously presented) The image comparison method of claim 10, further 2 comprising the step of correcting one of the minimum distance value and the 3 maximum similarity degree based on a correction coefficient corresponding to 4 the reference image. 1 14. (Previously presented) The image comparison method of claim 10, 2 wherein the step of identifying whether a match exists comprises the step of calculating one of the distance value and the similarity degree between the 3 reference image and the comparison image based on a weighting coefficient 5 corresponding to the reference image. 1 15. (Previously presented) The image comparison method of claim 10, further 2 comprising the steps of: extracting a three-dimensional reference point from the input 3 4 three-dimensional data; and 5 obtaining a coordinate correspondence of a standard three-dimensional 6 weighting coefficient to the three-dimensional data by using a standard three-dimensional reference point corresponding to a standard 7 8 three-dimensional object model and the three-dimensional reference point of

9 the three-dimensional data, and converting the standard three-dimensional 10 weighting coefficient into a two-dimensional weighting coefficient in 11 accordance with the pose candidate, 12 wherein the step of identifying whether a match exists comprises the 13 step of calculating one of the distance value and the similarity degree between 14 the reference image and the comparison image based on the converted 15 two-dimensional weighting coefficient. 1 16. (Previously presented) The image comparison method of claim 10, further 2 comprising the steps of: 3 comparing the input three-dimensional data with representative 4 three-dimensional object models which are representative ones of 5 three-dimensional object models, and selecting a representative 6 three-dimensional object model similar to the three-dimensional data; and 7 selecting a reference image corresponding to the selected 8 representative three-dimensional object model by referring to information 9 indicating relations between the representative three-dimensional object 10 models and reference images, 11 wherein the step of identifying whether a match exists comprises the 12 step of comparing the selected reference image with the input three-dimensional data. 13 17. (Previously presented) The image comparison method of claim 10, further 1 2 comprising the step of: 3 comparing the input three-dimensional data with representative images 4 which are representative ones of images, and selecting a representative image similar to the three-dimensional data; and 5 6 selecting a reference image corresponding to the selected 7 representative image by referring to information indicating relations between

8 the representative images and reference images, 9 wherein the step of identifying whether a match exists comprises the 10 step of comparing the selected reference image with the input 11 three-dimensional data. 1 18. (Previously presented) The image comparison method of claim 13, further 2 comprising the step of determining the correction coefficient on the basis of at 3 least one of a distance value and a similarity degree between a representative 4 three-dimensional object model and the reference image. 1 19. (Currently Amended) A computer readable medium storing a computer 2 program that, when executed by the computer, causes the computer to execute: 3 a procedure of inputting three-dimensional data of an object; 4 a procedure of generating at least one pose candidate as a candidate for 5 pose of the object; 6 a procedure of generating, for the reference image of the at least one 7 object, a comparison image close to the reference image, said generating 8 including projecting the three-dimensional data onto a two-dimensional image 9 in accordance with each of the plurality of pose candidates to generate a 10 plurality of comparison images and calculating, for each of the plurality of 11 comparison images, the minimum distance between the comparison image and 12 the reference image and selecting, as the comparison image close to the 13 reference image, the comparison image having the smallest minimum distance; and 14 a procedure of storing a correction coefficient corresponding to the 15 reference image; 16 17 a procedure of identifying whether a match exists between the 18 generated comparison image and the reference image, said identifying 19 including performing comparison on the basis of determining one of a

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20 minimum distance value and a maximum similarity degree between the 21 reference image and the generated comparison image images; and 22 a procedure of correcting, based on the correction coefficient, one of 23 the minimum distance value and the maximum similarity degree determined 24 by the procedure of identifying whether a match exists, 25 wherein the procedure of identifying whether a match exists includes a 26 procedure of performing a comparison between the reference image and each 27 of the generated comparison images on the basis of one of the minimum 28 distance value and the maximum similarity degree corrected by the procedure of correcting and, based on a result of the comparison, identifying whether a 29 30 match exists between any of the generated comparison images and of the 31 reference image. 1 20. (Currently amended) The computer readable storage medium of claim 19, 2 wherein the computer program, when executed by the computer in the 3 procedure of identifying whether a match exists causes the computer to 4 execute: 5 and a procedure of one of a comparison between the minimum distance value between the reference image and the generated comparison 6 7 image and a threshold value and a comparison between the maximum 8 similarity degree between the reference image and the generated comparison 9 image and a threshold value. 21. (Previously presented) The computer readable storage medium of claim 2 19, wherein the computer program, when executed by the computer in the 3 procedure of generating a comparison image, causes the computer to execute a procedure of generating a comparison image close to each reference image for 4 5 each of a plurality of objects, and 6 in the procedure of identifying whether a match exists causes the

computer to execute:

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8 a procedure of calculating, for each of the reference images, one of a 9 distance value and a similarity degree between the reference image and the generated comparison image close to the reference image; 10 11 a procedure of selecting, for each of the reference images, one of a 12 minimum distance value which is a smallest distance value and a maximum 13 similarity degree which is a largest similarity degree for each reference image: 14 and 15 a procedure of outputting, as a comparison result, one of a reference 16 image including a smallest minimum distance value which is a smallest one of 17 minimum distance values and a reference image including a largest maximum 18 similarity degree which is a largest one of maximum similarity degrees. 1 22. (Previously presented) The computer readable storage medium of claim 19, wherein the computer program, when executed by the computer further 2 3 causes the computer to execute a procedure of correcting one of the minimum 4 distance value and the maximum similarity degree based on a correction 5 coefficient corresponding to the reference image. 1 23. (Currently amended) The computer readable storage medium of claim 10 2 19, wherein the computer program, when executed by the computer in the 3 procedure of identifying whether a match exists, performing comparison, the 4 program causes the computer to execute a procedure of calculating one of the 5 distance value and the similarity degree between the reference image and the 6 comparison image by using a weighting coefficient corresponding to the 7 reference image. 1 24. (Previously presented) The computer readable storage medium of claim 2 19, wherein the computer program, when executed by the computer further

3 causes the computer to execute: 4 a procedure of extracting a three-dimensional reference point from the 5 input three-dimensional data; and 6 a procedure of obtaining a coordinate correspondence of a standard 7 three-dimensional weighting coefficient to the three-dimensional data by using 8 a standard three-dimensional reference point corresponding to a standard 9 three-dimensional object model and the three-dimensional reference point of 10 the three-dimensional data, and converting the standard three-dimensional 11 weighting coefficient into a two-dimensional weighting coefficient in 12 accordance with the pose candidate, 13 wherein in the procedure of performing comparison, the program 14 causes the computer to execute a procedure of calculating one of the distance 15 value and the similarity degree between the reference image and the 16 comparison image by using the converted two-dimensional weighting 17 coefficient. 1 25. (Previously presented) The computer readable storage medium of claim 2 19, wherein the computer program, when executed by the computer further 3 causes the computer to execute: a procedure of comparing the input three-dimensional data with 4 5 representative three-dimensional object models which are representative ones 6 of three-dimensional object models, and selecting a representative 7 three-dimensional object model similar to the three-dimensional data; and 8 a procedure of selecting a reference image corresponding to the 9 selected representative three-dimensional object model by referring to 10 information indicating relations between the representative three-dimensional 11 object models and reference images, 12 wherein in the procedure of performing comparison, the program 13 causes the computer to execute a procedure of comparing the selected

14 reference image with the input three-dimensional data. 1 26. (Previously presented) The computer readable storage medium of claim 2 19, wherein the computer program, when executed by the computer further 3 causes the computer to execute: 4 a procedure of comparing the input three-dimensional data with 5 representative images which are representative ones of images, and selecting a 6 representative image similar to the three-dimensional data; and 7 a procedure of selecting a reference image corresponding to the 8 selected representative image by referring to information indicating relations 9 between the representative images and reference images, 10 wherein in the procedure of performing comparison, the program 11 causes the computer to execute a procedure of comparing the selected 12 reference image with the input three-dimensional data. 1 27. (Previously presented) The computer readable storage medium of claim 22, wherein the computer program, when executed by the computer further 2 3 causes the computer to execute a procedure of determining the correction 4 coefficient on the basis of at least one of a distance value and a similarity 5 degree between a representative three-dimensional object model and the 6 reference image.